

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	126	((DAVID) near2 (OGLE)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/22 16:01
S2	32	((DAVID) near2 (OGLE)). INV.	EPO; JPO; DERWENT	OR	ON	2011/08/22 16:01
S3	8	((("6413402") or ("6328869") or ("5393386") or ("5650055")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/08/22 17:12
S4	8	S1 and (membrane or barrier) near4 (support or substrate)	US-PGPUB; USPAT	OR	ON	2011/08/22 17:21
S5	77	("3878564" "3989613" "4036748" "4045337" "4045455" "4069215" "4115225" "4123342" "4174439" "4196304" "4204929" "4217227" "4238306" "4238307" "4243507" "4252652" "4259079" "4269967" "4276140" "4279724" "4299677" "4322275" "4362612" "4376023" "4381232" "4383923" "4396477" "4441978" "4533447" "4608140" "4661224" "4673483" "4711722" "4746647" "4780411" "4897169" "4963236" "5039386" "5043048" "5080770" "5082548" "5087338" "5096547" "5114555" "5127999" "5160594" "5173164" "5185086" "5238570" "5277774" "5336387" "5340449" "5352343" "5407553" "5420047" "5437774" "5441646" "5490939" "5503744" "5504239" "5558753" "5561115" "5565102" "5610285" "5662813" "5723031" "5733442" "5736023" "5868938" "5891736" "5906724" "5938904"	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/22 17:27

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S6	16	S5 and (membrane near3 (support or substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/22 17:39
S7	2812	((204/518-545,624-640. ccls.)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/08/22 17:43
S8	234	S7 and (membrane or filter) near3 (support or substrate or housing)	US-PGPUB; USPAT	OR	ON	2011/08/22 17:44
S9	242	S7 and (membrane or filter) near3 (support or substrate or hous\$4)	US-PGPUB; USPAT	OR	ON	2011/08/22 17:44
S10	2	US-8918200-\$.DID. OR US-2990361-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/08/22 18:06
S11	5	((("4569747") or ("20060027457"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/08/22 18:07
S12	0	("2006/0027457").URPN.	USPAT	OR	ON	2011/08/22 18:10
S13	41	S7 and (membrane or filter) near3 (support or substrate or hous\$4 or frame) near3 (rib or spacer or edge)	US-PGPUB; USPAT	OR	ON	2011/08/22 18:29
S14	7	("4062756").URPN.	USPAT	OR	ON	2011/08/25 10:29
S15	526	("20010035218" "20020172871" "20030019790" "20030019818" "20030041908" "20030116430" "20040005719" "20040027100" "20040108277" "20060016685" "20060137986" "20060138997" "20070023290" "20070108056" "20070120523" "20070175766" "2470741" "2726356" "2825666" "2829095" "2863813" "2974681" "3003940" "3233732"	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/25 10:31

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S19	3	("4990230").URPN.	USPAT	OR	ON	2011/08/25 11:37
S20	2	("4990230").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/08/29 14:48
S21	11009	((210/154-172.5.cds.)). OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/08/30 11:13
S22	3	S21 and (barrier or separator) near3 (drain near3 (channel or port or hole))	US-PGPUB; USPAT	OR	ON	2011/08/30 11:15
S23	30	((US-20020023842-\$ or US- 20020043465-\$ or US- 20020176801-\$ or US- 20030019753-\$ or US- 20050167270-\$ or US- 20060037860-\$ or US- 20090134031-\$ or US- 20100326833-\$ or US- 20050242030-\$).did. or (US-6919006-\$ or US- 6923896-\$ or US-6969453- \$ or US-4362612-\$ or US- 4533447-\$ or US-5407553- \$ or US-6436264-\$ or US-	US-PGPUB; USPAT; EPO	OR	ON	2011/08/30 11:16

		7144735-\$ or US-7794577-\$ or US-4569747-\$ or US-4062756-\$ or US-4600493-\$ or US-4737260-\$ or US-4747929-\$ or US-4750983-\$ or US-5891328-\$ or US-6123823-\$ or US-4303493-\$ or US-3761386-\$.did. or (WO-3070360-\$ or WO-2005015194-\$.did.				
S24	1	S23 and (barrier or separator or spacer or frame) near3 (drain near3 (channel or port or hole))	US-PGPUB; USPAT	OR	ON	2011/08/30 11:17
S25	7	S21 and (barrier or separator or spacer or frame) near3 (drain near3 (channel or port or hole))	US-PGPUB; USPAT	OR	ON	2011/08/30 11:17
S26	59	"210".clas. and (barrier or separator or spacer or frame) near3 ((drain or overflow) near3 (channel or port or hole))	US-PGPUB; USPAT	OR	ON	2011/08/30 11:19
S27	52	S26 not S25	US-PGPUB; USPAT	OR	ON	2011/08/30 11:19
S28	2	("4990230").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/08/30 16:36
S29	8	("4600493").URPN.	USPAT	OR	ON	2011/08/30 19:59
S30	4	("2923676" "3933617" "4600493").PN. OR ("4786393").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 20:01
S31	60	"210".clas. and ((press\$5 or retain\$3) near4 (block or plate) near3 (grid or spacer))	US-PGPUB; USPAT	OR	ON	2011/08/30 20:03
S32	0	("2002/0148769").URPN.	USPAT	OR	ON	2011/08/30 20:12
S33	3056	"210".clas. and ((end or retain\$4 or press\$4) near4 (block or plate or frame)) with (rail or flow or channels or grid or perturber or protrusion or grooves or rib)	US-PGPUB; USPAT	OR	ON	2011/08/30 20:15

S34	1518	"210".clas. and ((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or flow or channels or grid or perturber or protrusion or grooves or rib)	US-PGPUB; USPAT	OR	ON	2011/08/30 20:16
S35	1618	"210".clas. and ((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or flow or channels or grid or perturber or protrusion or groove or rib)	US-PGPUB; USPAT	OR	ON	2011/08/30 20:16
S36	1618	"210".clas. and ((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or flow or channels or grid or perturber or protrusion or groove or rib))	US-PGPUB; USPAT	OR	ON	2011/08/30 20:16
S37	1060	"210".clas. and (((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or flow or channels or grid or perturber or protrusion or groove or rib)) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/08/30 20:17
S38	613	"210".clas. and (((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or channels or grid or perturber or protrusion or groove or rib)) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/08/30 20:18
S39	10	((("4786393") or ("3734298") or ("4039455")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/02 10:16
S40	40	(US-20020023842-\$ or US-20020043465-\$ or US-20020176801-\$ or US-20030019753-\$ or US-20050167270-\$ or US-20060037860-\$ or US-20090134031-\$ or US-20100326833-\$ or US-20050242030-\$ or US-20080245750-\$ or US-20020148769-\$).did. or (US-6919006-\$ or US-6923896-\$ or US-6969453-\$ or US-4362612-\$ or US-	US-PGPUB; USPAT; EPO	OR	ON	2011/09/02 10:17

		4533447-\$ or US-5407553-\$ or US-6436264-\$ or US-7144735-\$ or US-7794577-\$ or US-4569747-\$ or US-4062756-\$ or US-4600493-\$ or US-4737260-\$ or US-4747929-\$ or US-4750983-\$ or US-5891328-\$ or US-6123823-\$ or US-4303493-\$ or US-3761386-\$ or US-5009785-\$ or US-6238110-\$ or US-6365043-\$ or US-7314509-\$ or US-4786393-\$ or US-3734298-\$ or US-4039455-\$).did. or (US-6626094-\$).did. or (WO-3070360-\$ or WO-2005015194-\$).did.				
S41	9	S40 and cartridge	US-PGPUB; USPAT	OR	ON	2011/09/02 10:17
S42	40	(US-20020023842-\$ or US-20020043465-\$ or US-20020176801-\$ or US-20030019753-\$ or US-20050167270-\$ or US-20060037860-\$ or US-20090134031-\$ or US-20100326833-\$ or US-20050242030-\$ or US-20080245750-\$ or US-20020148769-\$).did. or (US-6919006-\$ or US-6923896-\$ or US-6969453-\$ or US-4362612-\$ or US-4533447-\$ or US-5407553-\$ or US-6436264-\$ or US-7144735-\$ or US-7794577-\$ or US-4569747-\$ or US-4062756-\$ or US-4600493-\$ or US-4737260-\$ or US-4747929-\$ or US-4750983-\$ or US-5891328-\$ or US-6123823-\$ or US-4303493-\$ or US-3761386-\$ or US-5009785-\$ or US-6238110-\$ or US-6365043-\$ or US-7314509-\$ or US-4786393-\$ or US-3734298-\$ or US-4039455-\$).did. or (US-6626094-\$).did. or (WO-3070360-\$ or WO-2005015194-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2011/09/02 12:19
S43	6	S42 and retain	US-PGPUB; USPAT	OR	ON	2011/09/02 12:19

S44	0	"210".clas. and (barrier or separator or spacer or frame) near3 (parralel near4 (ridges or channels or grid or ribs or protrusion))	US-PGPUB; USPAT	OR	ON	2011/09/02 13:10
S45	0	"210".clas. and (barrier or separator or spacer or frame) with (parralel near4 (ridges or channels or grid or ribs or protrusion))	US-PGPUB; USPAT	OR	ON	2011/09/02 13:11
S46	112	"210".clas. and (barrier or separator or spacer or frame) with ((longitudinal or parralel) near4 (ridges or channels or grid or ribs or protrusion))	US-PGPUB; USPAT	OR	ON	2011/09/02 13:11
S47	0	"210".clas. and (barrier or separator or spacer or frame) with ((longitudinal or parralel) near4 (ridges or channels or grid or ribs or protrusion)) and PY@2003	US-PGPUB; USPAT	OR	ON	2011/09/02 13:11
S48	72	"210".clas. and (barrier or separator or spacer or frame) with ((longitudinal or parralel) near4 (ridges or channels or grid or ribs or protrusion)) and @py<"2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 13:11
S49	680	"210".clas. and (((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or channels or grid or perturber or protrusion or groove or rib or spacer)) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/02 14:02
S50	613	"210".clas. and (((end or retain\$4 or press\$4) near4 (block or plate or frame)) near4 (rail or channels or grid or perturber or protrusion or groove or rib)) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/02 14:02
S51	67	S49 not S50	US-PGPUB; USPAT	OR	ON	2011/09/02 14:02

S52	48	"210".clas. and (barrier or separator or spacer or frame) near3 (drain near3 (channel or port or recess or conduit))	US-PGPUB; USPAT	OR	ON	2011/09/02 17:04
S53	216	"210".clas. and (barrier or separator or spacer or frame) near3 (drain) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 17:09
S54	194	"210".clas. and (separator or spacer or frame) near3 (drain) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 17:09
S55	0	"210".clas. and membrane near3 (barrier or separator or spacer or frame) near3 (drain) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 17:10
S56	4	"210".clas. and membrane near3 (barrier or separator or spacer or frame) near3 (drain)	US-PGPUB; USPAT	OR	ON	2011/09/02 17:10
S57	0	"204".clas. and membrane near3 (barrier or separator or spacer or frame) near3 (drain)	US-PGPUB; USPAT	OR	ON	2011/09/02 17:11
S58	29	"204".clas. and (barrier or separator or spacer or frame) near3 (drain) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 17:16
S59	40	(US-20020023842-\$ or US-20020043465-\$ or US-20020176801-\$ or US-20030019753-\$ or US-20050167270-\$ or US-20060037860-\$ or US-20090134031-\$ or US-20100326833-\$ or US-20050242030-\$ or US-20080245750-\$ or US-20020148769-\$).did. or (US-6919006-\$ or US-6923896-\$ or US-6969453-\$ or US-4362612-\$ or US-4533447-\$ or US-5407553-\$ or US-6436264-\$ or US-7144735-\$ or US-7794577-\$ or US-4569747-\$ or US-4062756-\$ or US-4600493-\$ or US-4737260-\$ or US-4747929-\$ or US-4750983-\$ or US-5891328-\$ or US-6123823-\$ or US-4303493-\$ or US-3761386-\$ or US-5009785-\$ or US-6238110-\$ or US-6365043-\$ or US-	US-PGPUB; USPAT; EPO	OR	ON	2011/09/02 17:40

		7314509-\$ or US-4786393-\$ or US-3734298-\$ or US-4039455-\$).did. or (US-6626094-\$).did. or (WO-3070360-\$ or WO-2005015194-\$).did.				
S60	1	S59 and (barrier or separator or spacer or frame) near3 (drain) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 17:40
S61	469860	J	US-PGPUB; USPAT	OR	ON	2011/09/02 17:40
S62	9	S59 and drain	US-PGPUB; USPAT	OR	ON	2011/09/02 17:40
S63	16	S59 and over near3 flow	US-PGPUB; USPAT	OR	ON	2011/09/02 18:00
S64	4	S59 and over adj3 flow	US-PGPUB; USPAT	OR	ON	2011/09/02 18:01
S65	111	"210".clas. and (over adj3 flow) near3 (channel or conduit)	US-PGPUB; USPAT	OR	ON	2011/09/02 18:02
S66	47	"210".clas. and membrane and (over adj3 flow) near3 (channel or conduit)	US-PGPUB; USPAT	OR	ON	2011/09/02 18:02
S67	0	"210".clas. and membrane and (over adj3 f4043896flow) near3 (channel or conduit)	US-PGPUB; USPAT	OR	ON	2011/09/02 18:15
S68	30	"4715955"	US-PGPUB; USPAT	OR	ON	2011/09/02 18:15
S69	6	((("4043896") or ("4715955"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/09/02 18:15
S70	0	S69 and (over adj4 flow)	US-PGPUB; USPAT	OR	ON	2011/09/02 18:17
S71	31	"204".clas. and (barrier or separator or spacer or frame) near3 (drain or (over adj3 flow)) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 18:34
S72	227	"210".clas. and (barrier or separator or spacer or frame) near3 (drain or (over adj3 flow)) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 18:36

S73	38	"210".clas. and (barrier or separator or spacer or frame) near3 (drain or (over adj3 flow)) near4 (channel or conduit or slot or outlet) and @py< "2003"	US-PGPUB; USPAT	OR	ON	2011/09/02 18:37
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